

Inventor: Sines
Serial No.

PATENT APPLICATION
Navy Case No. 79,955

Page 10, Line 13: Delete "material" and insert -- strip --.

Line 15: Delete "material" and insert -- strip --.

IN THE CLAIMS:

Cancel Claims 1-12 without prejudice to the Applicant.

13. (Amended) [A] An electric motor comprised of:

one or more laminations of a metallic material forming the outer casing of the
electric motor;

one or more [~~ccircular~~] circular thermally conductive disks placed between
preselected layers of the motor laminations [along the axis and perpendicular to the turns], said
conductive disks conducting heat, generated by an electrical current flowing within the motor, to
an edge of the conductive disk outside of the area covered by the motor laminations; [and]

an electrically conductive material wound in a plurality of layers within the
laminations so as to form an electric field that drives an armature when an electrical current is
applied;

thermally conductive strips placed between preselected layers of the electrically
conductive material, said thermally conductive strip extending outside of the area covered by the
electrically conductive material; and

means for conducting the heat at the end of the conductive disk and strips [to

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ambient atmosphere].

14. (Amended) A method for cooling electrical devices having layers of electrically conductive material wound on a core comprised of the following steps:

placing a thermally conductive material, having a first and a second end, capable of conducting heat from between preselected layer of the electrically conductive material [to a] said first and second end of the thermally conductive material extending outside of the area covered by the electrically conducting material; and

conducting the heat from the first and second ends of the thermally conductive material [to ambient atmosphere].

15. (Amended) A method, as in Claim 14, further [comprised] comprising the steps of:

placing a thermally conductive [material] strip having a first ad second end between predetermined laminations of [a] the core [forming the transformer], said first and second ends of the thermally conductive material extending outside of the core.

16. (New) A method for cooling an electrical device having layers of electrically conductive material wound on to a laminated core having a heat generating component comprising the steps of:

placing one or more thermally conductive strips in contact with the heat